IN THE CLAIMS

Please amend the claims as follows:

Claims 1-6 (Cancelled).

Claim 7 (Currently Amended): An intelligent gateway for communicating between gateway devices via a common network layer, ~~which respectively connect~~ wherein each gateway device is connected to a respective bus system[[,]] that includes ~~at least one~~ a physical device~~, via a common network layer~~, comprising:

~~a static or dynamic possibility to provide at least one~~ a device presenter and~~/or at least one~~ a device emulator ~~of at least one~~ for one physical device of the gateway devices, wherein the device emulator is configured to emulate a corresponding physical device, the corresponding physical device being associated with one bus system, for communication with physical devices of other bus systems ~~device to said common network layer~~; and

an isochronous stream handler adapted to be controlled by said device presenter or said device emulator.

Claim 8 (Currently Amended): [[An]] The intelligent gateway according to claim 7, ~~wherein~~ further comprising:

a device manager configured to monitor ~~monitors~~ bus events for new devices, the new devices being ~~which are~~ posted on said common network layer, and to find ~~finds~~, ~~loads~~ load and ~~assigns~~ assign corresponding device presenters and/or emulators.

Claim 9 (Currently Amended): [[An]] The intelligent gateway according to claim 8, wherein said device manager is configured to load ~~loads~~ device presenters and/or emulators from external sources.

Claim 10 (Currently Amended): [[An]] The intelligent gateway according to claim 7, wherein ~~further comprising~~:

[[a]] each device presenter is configured to present ~~a real~~ a respective physical device on a bus system as a ~~generic abstract device or service,~~

~~wherein said generic abstract device or service presentation is a~~ presentation according to the Universal Plug and Play protocol set.

Claim 11 (Currently Amended): [[An]] The intelligent gateway according to claim 7, wherein ~~further comprising~~:

[[a]] each device emulator is configured to emulate a device on a bus system based on a generic abstract device or service presentation.

Claim 12 (Cancelled).

Claim 13 (Currently Amended): A transparent access network that integrates at least two bus systems~~, each of which~~ and that comprises ~~a respective~~ an intelligent gateway device according to claim 7 ~~1, comprising~~:

~~at least one intelligent gateway for communicating between gateway devices, which respectively connect to a respective bus system, said at least one gateway including at least one physical device, via a common network layer including a static or dynamic possibility to provide at least one device presenter and/or at least one device emulator of at least one physical device to said common network layer, and~~

~~said common network layer being connected to the respective gateways and said at least one intelligent gateway.~~

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Claim 14 (Currently Amended): The intelligent gateway according to claim 7, wherein said intelligent gateway and said gateway devices are connected by ~~a non-IP~~ an IP based connection.

Claim 15 (Currently Amended): A system comprising:

a first device connected to a first gateway via a first bus system;

a second device connected to a second gateway via a second bus system;

an intelligent gateway connected to said first and second gateways, comprising a first device emulator ~~adapted~~ configured to emulate said first device on said second bus system, and a second device emulator ~~adapted~~ configured to emulate said second device on said first bus system; and

an isochronous stream handler, which is controller by said first device emulator or said second device emulator.

Claim 16 (Previously Presented): The system according to claim 15, wherein said first and second bus systems are not IP based.

Claim 17 (Cancelled).